|           |                             |          |              |                 |         |                 |              |               |       |       |          |          | L           | 10/722,520 |             |           |              |              |      |               |            |                 | NOGUCHI, TAKASHI |          |  |              |          |         |   |
|-----------|-----------------------------|----------|--------------|-----------------|---------|-----------------|--------------|---------------|-------|-------|----------|----------|-------------|------------|-------------|-----------|--------------|--------------|------|---------------|------------|-----------------|------------------|----------|--|--------------|----------|---------|---|
|           |                             |          |              |                 |         |                 |              |               |       |       |          | Examiner |             |            |             |           |              |              |      |               | Art Unit   |                 |                  |          |  |              |          |         |   |
|           |                             |          |              |                 |         |                 |              |               |       |       |          |          | Andre Henry |            |             |           |              |              |      |               |            | 0040            |                  |          |  |              |          |         |   |
|           |                             |          |              |                 |         |                 |              |               |       |       |          |          |             | Andy Huynh |             |           |              |              |      |               |            |                 | 2818             |          |  |              |          |         |   |
|           |                             | ,        |              |                 |         | 7               | _            | ,             |       |       |          |          |             | · ,        |             |           |              |              |      |               |            | <del></del>     |                  |          |  |              |          |         |   |
|           | √ Rejected – (Through numer |          |              |                 |         |                 |              |               |       |       |          | era      | l)          |            | L           |           | Non-Elected  |              |      |               |            | Appeal          |                  |          |  |              |          |         |   |
| Cancelled |                             |          |              |                 |         |                 |              |               |       |       | '   N    |          |             | 1          | Non-Elected |           |              |              | A    | Appear        |            |                 |                  |          |  |              |          |         |   |
|           |                             |          |              |                 |         |                 |              |               |       |       | 1        | Γ        | Ť           |            |             |           |              | П            |      |               |            |                 |                  |          |  |              |          |         |   |
|           |                             | 1        | =            | Allow           | /ed     |                 | ÷            | ÷ Restricted  |       |       |          |          | I   Interf  |            |             | Interfere | erence       |              |      | 이             | C          | )bje            | ecte             | ed       |  |              |          |         |   |
|           |                             | Ļ        |              |                 |         | J               | Ц            | L             |       |       |          |          |             |            |             |           | Ц.           |              |      |               | ш          | ·               |                  |          |  |              |          |         |   |
| 1         | Cla                         | im       |              | -               | Dat     | e               |              |               | :::if | Cla   | im       |          |             |            | Dat         | e         |              | i:           | ijΓ  | Clai          | m          |                 |                  | _        | Dat  |              |          |         | 7 |
|           |                             |          | _            | $\Box$          | Ť       | ĬT              | T            | П             |       | - 1   |          |          | Т           | Т          | T           | Ť         | Т            |              | :: t | <u></u>       |            | П               | Т                | Т        | Ī  | Ť            |          | Т       | 1 |
|           | Final                       | Original | 12/27/04     |                 |         |                 |              |               |       | Final | Original |          |             |            |             | l         |              |              |      | Final         | Original   |                 |                  | 1        |  |              |          |         |   |
|           | Œ                           | [등       | 2            |                 |         |                 | i            |               |       | 這     | Öriç     |          |             |            |             | l         |              |              |      | <u>ا</u>      | Oric       |                 |                  | 1        |  |              |          |         |   |
|           |                             | - 1      | ]            | _ - -           | - -     | $\vdash$        |              | Ш             |       |       |          |          | _           | _          | _           | ┞         | 4            |              | -    |               |            | $\sqcup$        | _                | ╄        | ╙  | $oxed{oxed}$ | $\sqcup$ | +       | 4 |
|           |                             | 1        |              | -++             |         | ┼┼              |              |               |       |       | 51<br>52 | -+       | ╬           | +-         | ╁           | ╀╌        | ╬            |              | ⊪    |               | 101<br>102 | $\vdash \vdash$ | +                | ╁        | ┝  | $\vdash$     | $\vdash$ | +       | - |
|           |                             | 3        | 8            | ++              | ╁       | $\vdash$        | ╁            | H             |       |       | 53       | -        | ╬           | -          | +-          | ╁         | ╁            |              | ŀ    |               | 103        | $\vdash$        | +                | +        | ╁  | $\vdash$     | $\vdash$ | +       | 1 |
|           |                             |          | 3            |                 | 十       | 1 1             | +-           | $\vdash$      |       |       | 54       | $\dashv$ | _           | ╁          | +-          | t         | $\dagger$    |              | ŀ    |               | 104        | H               | _                | T        | H  |              | $\vdash$ | ╅       | 1 |
|           |                             | <b>亞</b> | Ξ            |                 |         |                 | T            |               |       |       | 55       |          |             | $\top$     |             |           |              |              |      |               | 105        |                 |                  |          |  |              |          |         | ] |
|           |                             | 6        | $\prod$      |                 |         |                 | $\perp$      |               |       |       | 56       |          | $\perp$     |            |             |           |              |              | [    |               | 106        |                 |                  |          |  |              |          |         |   |
|           |                             | 7        | 41           | _ _             | _ _     |                 | -            |               |       |       | 57       | $\perp$  | $\perp$     | $\bot$     | $\perp$     | L         | 4            |              | -    |               | 107        |                 | -                | ↓_       | <u> </u>   | <u> </u>     | $\perp$  | _       | 4 |
|           |                             | 8        | Н            |                 | -       | ╁┷┼             | +            |               |       |       | 58<br>59 | -        | +           | +          | ╀           | ⊢         | +            |              | -    |               | 108<br>109 | -               | - -              | ╁        | ├  | -            | $\vdash$ | +       | 4 |
|           |                             | 9        | <u>-</u>     | -               | +       | ╁╌┼╴            | ╁            | -             |       |       | 60       |          | ┰           | +          | +-          | H         | +            | ++-          | ŀ    |               | 110        | $\vdash$        |                  | +-       | ╁  | $\vdash$     |          | ╅       | - |
|           |                             | 11       | 7            |                 | +       |                 | +            |               |       |       | 61       |          | _           | +          | ╁┈          | t         | $^{\dagger}$ |              | ŀ    |               | 111        | $\vdash$        | 十                | ╁        | ┢  | 1            | $\dashv$ | ٦ŀ      | 1 |
|           |                             | 12       | 11           |                 | 1       |                 | 十            |               |       |       | 62       |          |             |            | T           |           |              |              |      |               | 112        |                 |                  |          |  |              |          |         |   |
|           |                             | 13       | П            |                 |         |                 |              |               |       |       | 63       |          |             |            |             | L         | $\perp$      |              |      |               | 113        |                 |                  |          |  |              |          |         | ] |
|           |                             | 14       | =            | $\dashv$        | _       |                 | _            |               |       |       | 64       |          | _ _         | _          |             | L         | +            |              | -    |               | 114        | Щ               |                  | ↓_       | L  |              | _        | $\perp$ | 4 |
|           |                             |          | $\checkmark$ | +               | +       | $\vdash$        | +            |               |       |       | 65<br>66 |          |             | ╬          | ╀           | ⊢         | +            |              | -    |               | 115<br>116 | -               |                  | ╁        | ├  |              | +        | +       | 4 |
|           |                             | 16<br>17 | ᅱ            | ++              | +       | ++              | +            | H             |       |       | 67       |          |             | ╁          | ╁╌          | H         | +            |              | ŀ    |               | 117        | $\vdash$        | ╅                | ╁        |  |              | +        | ╁       | - |
|           |                             | 18       | 7            |                 | +       | $\vdash$        | +            | $\square$     |       |       | 68       |          |             | +-         | +-          | ┢         | $^{+}$       |              |      |               | 118        | H               | ╅                | 十        | <del>                                     </del> |              | $\top$   | ╅       | 1 |
|           |                             | 19       |              |                 |         |                 |              |               |       |       | 69       |          |             |            |             |           |              |              |      |               | 119        |                 |                  |          |  |              |          | 工       | ] |
|           |                             | 20       |              |                 |         |                 | $\top$       |               |       |       | 70       |          |             |            |             | L         | Ţ            |              |      |               | 120        |                 |                  | _        |  |              |          |         |   |
|           |                             | 21       | _            | _ _ -           | 4_      | _ _             | -            | Ш             |       |       | 71       |          | 4           | 4          |             | L         | - -          |              | 1    |               | 121        | Н               |                  | ╀        | <u> </u>   |              | 1        | +       | 4 |
|           |                             | 22       | 4            | ++              |         |                 | +-           |               |       |       | 72<br>73 | _        |             |            | ┼           | ╀         | +            |              | ŀ    |               | 122<br>123 | $\vdash$        | +                | +        | <u> </u>   | _            |          | +       | - |
|           |                             | 24       | $\dashv$     |                 | +-      | ┼-┼-            | ┿            |               |       |       | 74       | -        | +           | +          | ╁           | ┞         | +            |              | ŀ    |               | 124        | $\vdash$        | +                | +        | $\vdash$   | $\vdash$     | +        | +-      | 4 |
|           |                             | 25       | 7            |                 | +       |                 | +            | $\vdash$      |       |       | 75       |          |             | 十          | ╁           | t         | 十            |              | -    |               | 125        |                 | $\top$           | T        |  |              | $\top$   | ╁       | 1 |
|           |                             | 26       |              |                 |         |                 |              |               |       |       | 76       |          |             |            |             |           |              |              |      |               | 126        |                 |                  |          |  |              |          |         | ] |
|           |                             | 27       |              |                 |         |                 | $\perp$      |               |       |       | 77       |          |             |            |             |           |              |              |      |               | 127        |                 |                  | <u> </u> |  |              |          |         |   |
|           |                             | 28       | _            | _ _             | -       | $\vdash$        | _            |               |       |       | 78       | +        | +           | +          | ₩           | ┡         | +            |              | -    | $\overline{}$ | 128        | -               | +                | ╀        | <u> </u>   | $\vdash$     | 4        | +       | 4 |
|           | -                           | 29<br>30 | $\dashv$     | ++              | +       | $\vdash$        | ╁            | $\vdash$      |       |       | 79<br>80 | -        | +           | +          | ╁           | H         | +            |              | -    |               | 129<br>130 | $\vdash$        | +                | ┼-       | ├  | H            | $\dashv$ | ╁       | 4 |
|           |                             | 31       | $\dashv$     | ++              | +-      | $\vdash$        | ╁            |               |       |       | 81       |          | +           | +          | +           | H         | +            |              |      |               | 131        | $\vdash$        | +                | +        | $\vdash$   | H            |          | ╅       | 1 |
| l         |                             | 32       | T            |                 |         |                 | 1            |               |       |       | 82       |          | $\perp$     |            |             | İ         | 丁            |              | ŀ    |               | 132        |                 |                  |          |  |              |          | 工       | ] |
|           |                             | 33       |              |                 |         |                 | $oxed{\Box}$ |               |       |       | 83       |          | T           | I          |             |           | I            |              |      |               | 133        |                 |                  | L        |  |              | $\Box$   | $\Box$  | _ |
| [         | ]                           | 34       | _            | $\bot$          | _       |                 | _            | Ш             |       |       | 84       | $\perp$  | $\perp$     | 1          | _           | L         | 1            | $\bot$       | 1    |               | 134        | _               | _                | ↓_       | _  | Ш            | $\perp$  |         | 4 |
|           |                             | 35       | 4            | $\dashv \dashv$ | -       | $\vdash$        |              | $\square$     | 4     | [     | 85       | -        | +           | +-         | ╀-          | ┞         | +            |              | 1    |               | 135<br>136 | -               | - -              | -        | <u> </u>   | H            | $\dashv$ | +       | 4 |
| }         |                             | 36<br>37 | -            |                 | +-      | <del> - -</del> | +-           | Н             | -     |       | 86<br>87 | $\dashv$ | +-          | ╅          | ╁╾          | ⊢         | +            | ++           | ╟    |               | 137        | $\dashv$        | $\dashv$         | +        |  | -            | $\dashv$ | +       |   |
|           |                             | 38       | +            | ++              | +       |                 | +            | Н             |       |       | 88       | -        | +           | +-         | $\vdash$    | ╁         | +            |              | ŀ    |               | 138        | $\dashv$        | _                | ╁        | <del>                                     </del> | Н            |          | $\top$  | - |
|           |                             | 39       | ┪            |                 |         | Ħ               | $\top$       | П             |       |       | 89       | _        | 1           | +          | $\top$      | T         | $\top$       |              | ŀ    |               | 139        | $\Box$          | _                | 1        |  |              |          | T       | 7 |
|           |                             | 40       |              |                 |         |                 |              |               |       |       | 90       |          |             |            |             |           |              |              |      |               | 140        |                 |                  |          |  |              |          |         | ] |
| ļ         |                             | 41       | _            | _ _ -           | _       |                 | _            | Ш             |       |       | 91       |          |             |            | _           | L         | ┵            |              | L    |               | 141        | Ш               | _ _              | ╄        | _  |              | _        |         | _ |
| ,         |                             | 42       | -            | $\dashv$        | +       | $\vdash$        | +            | $\vdash \mid$ |       |       | 92       | -        | +           | +          |             | $\vdash$  | +            | +            | -    |               | 142<br>143 | $\dashv$        | +                | ┼        | -  | $\vdash$     |          | +       | 4 |
| }         | $\dashv$                    | 43       | $\dashv$     | +               | +       |                 | +            | $\vdash$      |       | -     | 93<br>94 |          | +           | +-         | -           | -         | +            |              | ŀ    |               | 143<br>144 |                 | +                | +-       | -  | Н            | +        | +       | - |
| ł         |                             | 45       | $\dashv$     | +               | +       | +               | +            | $\vdash$      | :::   |       | 95       | +        | +           | +          | +-          | H         | +            | ++           | ŀ    |               | 145        | -               | $\dashv$         | $\vdash$ | H  | H            | $\dashv$ | +       | † |
| Ì         |                             | 46       | $\dashv$     | $\top$          | +       |                 | 1            | Н             |       |       | 96       | $\dashv$ | +           | +-         | T           | T         | +            |              | ŀ    |               | 146        | $\neg$          | +                | T        |  | П            | $\dashv$ | _       | ] |
| į         |                             | 47       |              |                 |         |                 |              |               |       |       | 97       |          |             |            |             |           | I            |              | į    |               | 147        |                 |                  |          |  |              |          | $\perp$ |   |
|           |                             | 48       | $\bot$       |                 | $\perp$ |                 | $\perp$      | П             |       |       | 98       | 4        | $\perp$     | $\bot$     | <u> </u>    | L         | 1            |              | :[   |               | 148        | $\prod$         | _                | $\perp$  |  |              | -        | _       | 4 |
|           |                             | 49       | 4            |                 | +       |                 | +            | $\sqcup$      |       |       | 99       | -        | +           | -          | -           | _         | +            |              | ŀ    |               | 149        |                 | +                | $\vdash$ |  |              | +        | - -     | 4 |
| {         |                             | 50       |              |                 |         |                 |              | السا          | ·:-:[ |       | 100      |          |             |            | 1           | _         |              | ∷لــــــــــ | L    |               | 150        |                 |                  | Ц_       | Щ.   |              |          |         |   |
|           |                             |          |              |                 |         |                 |              |               |       |       |          |          |             | _          |             |           |              |              |      |               |            |                 |                  |          |  |              |          |         |   |

Application No.

Index of Claims

Applicant(s)